



Request for Quote

Page 1 of 2

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
ONE CAPITOL HILL
PROVIDENCE RI 02908

CREATION DATE : 11-APR-13
BID NUMBER: 7461354,2
TITLE: Replace Cooling Compressors A/C System, DOA

BID CLOSING DATE AND TIME: 30-APR-2013 01:45:00

BUYER: Ohara 2nd, John F
PHONE #: 401-574-8125

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DOA CONTROLLER
ONE CAPITOL HILL, 4TH FLOOR
SMITH ST
PROVIDENCE, RI 02908
US

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DOA CENTRAL SERVICES
SPECIAL INSTRUCTIONS
SEE BELOW, RI N/A
US

Requisition Number: 1308695

Amendment Description: Addendum Number Two

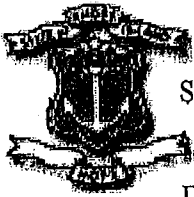
Line	Description	Quantity	Unit	Unit Price	Total
1	<p>BIDDER IS REQUIRED TO PROVIDE A BID SURETY IN THE FORM OF A BID BOND, OR A CERTIFIED CHECK PAYABLE TO THE STATE OF RHODE ISLAND, IN THE AMOUNT OF A SUM NOT LESS THAN FIVE PERCENT (5%) OF THE BID PRICE. BID SURETY MUST BE ATTACHED TO THE BID FORM. THE SUCCESSFUL BIDDER WILL ALSO BE REQUIRED TO FURNISH PERFORMANCE AND LABOR AND PAYMENT BONDS AT TIME OF TENTATIVE CONTRACT AWARD. Please see the attached (3) pages. Addendum Number Two</p> <p>Please review the attached (6) pages of Addendum Number Two. These specs replace the original package.</p> <p>NOTE: We are now requesting you replace the existing compressor with a new 60 Ton Screw Type.</p> <p>Due to the issuance of this Addendum Number Two we are having a 2nd Mandatory Pre-Bid Conference and the Bid Closing Date and Time has been extended.</p> <p>ALL vendors who which to bid on this project MUST ATTEND this 2nd Mandatory Pre-Bid Conference to be held on: Wednesday 4/17/13 at 2:00 PM 50 Service Ave. Warwick RI Meet at the Front Entrance</p> <p>The Bid Closing Date and Time has been changed; from: 4/18/13 at 1:45 PM To: 4/30/13 at 1:45 PM</p> <p>TOTAL COST FOR THE REPLACEMENT OF THE COOLING COMPRESSORS FOR A/C SYSTEM WITH A NEW 60 TON SCREW TYPE UNIT WORK TO BE PERFORMED AT 50 SERVICE AVE WARWICK, RI</p>	1.00	TOTAL		

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

Delivery: _____

Terms of Payment: _____

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STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF PURCHASES
One Capitol Hill
Providence, RI 02908-5855

Tel: (401) 574-8100
Fax: (401) 574-8387
Website: www.purchasing.ri.gov

April 11, 2013

ADDENDUM NUMBER TWO

RFQ # 7461354

TITLE: Replace Cooling Compressors A/C System, DOA

Closing Date and Time: 4/30/13 at 1:45 PM (Note Change)

Per the issuance of this ADDENDUM #2 (6) pages, including the cover sheet the following change(s) are noted:

Please be advised the Bid Closing Date and Time has been extended to:

**From: 4/18/13 at 1:45 PM
To: 4/30/13 at 1:45 PM**

☒ **Specification Change /Addition / Clarification**

Attached are Revised Specifications for this Solicitation.

NOTE: We are now requesting you replace the existing compressor with a new 60 Ton Screw Type.

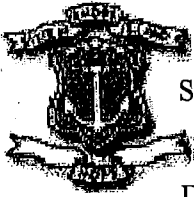
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**ALL vendors who which to bid on this project MUST ATTEND this Mandatory Pre-Bid Conference to be held on:
Wednesday 4/17/13 at 2:00 PM
50 Service Ave.**

**Warwick RI
Meet at the Front Entrance**

**The Bid Closing Date and Time has been changed;
from: 4/18/13 at 1:45 PM
To: 4/30/13 at 1:45 PM**

Vendor is advised the attached four (4) pages replace the original bid requirements completely.



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April 11, 2013

REVISED SPECIFICATIONS FOR BID 7461354

New Compressors 50 Service Avenue

Base Bid

Remove and replace existing compressor on Trane Climate Changer Chiller for cooling unit serving first and second floor in the boiler room. Replace existing compressor with new 60 ton screw type (Trane or approved equal). Fabricate prime and paint support for the new compressors.

Replace all necessary components and controls. Replace TXV with electronic expansion Valve and install new Trane Tracer microcomputer-based controller. This unit shall microcomputer-based controller that can be monitored all necessary points and be controlled from a remote location. This controller will stage on the unit as load necessitates. Recharge with refrigerant and commission unit.

Include all necessary controls, VFD drive, control wiring and power wiring, (Voltage is 460 volt 3 phase) controllers, compressor related materials, refrigerant and all necessary labor.



Version 4.0.0 Date 2010/05/21

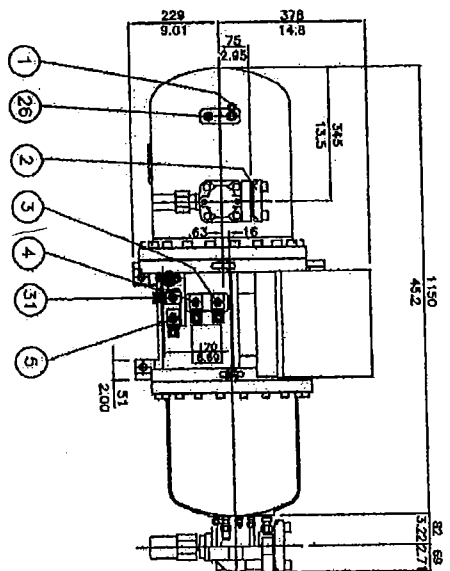
HANBELL Compressor Performance Report

INPUT

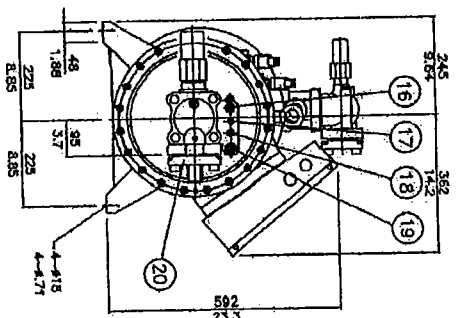
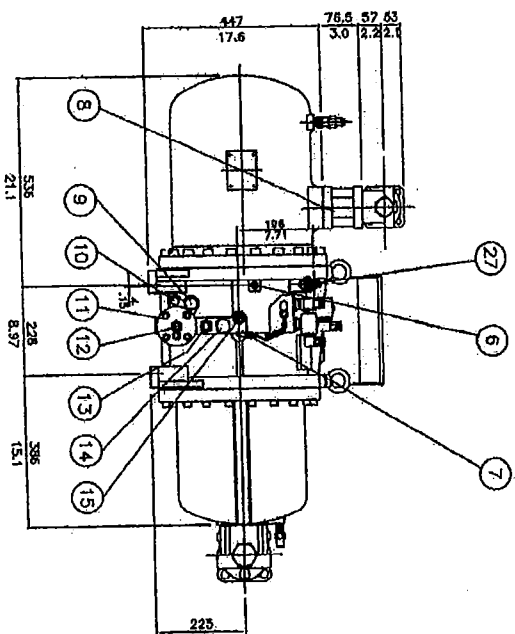
Refrigerant : R22
Model : RC2-200B
Power supply : 460V-3-60Hz
Evaporating SST : 35 Deg. F
Condensing SCT : 120 Deg. F
Liquid subcooling 10 Deg. F
Suct. gas superheat 10 Deg. F
Useful superheat : 10 Deg. F
Disch. temp. expected: 176 Deg. F
Partial capacity load: 100 %

OUTPUT

Cooling capacity : 616.3 kBTU	Operating mode : Standard
Evaporator capacity : 616.3 kBTU	Liquid temp. : 110.0 Deg. F
Condenser capacity : 765.8 kBTU	Mass flow ECO : ----
Power input : 59.0 kW	Subcooler load : ----
Current : 84.6 A	sat ECO Temp. : ----
COP/EER : 10.439	ECO pressure : ----
Mass flow LP : 9201.4 lb/h	Oil volume flow : 4.45 GPM
Mass flow HP : 9241.3 lb/h	Oil cooler out : 126.4 Deg. F
Vi : 2.6	Oil cooler additional cooling : 51.92 kBTU
L.I. to chamber mass flow: ----	Additonal power input for L.I. : ----
L.I. to motor mass flow: 39.82 kg/h	L.I. to chamber capacity : ----
	L.I. to motor capacity : 2.7 kBTU
	DG w/o cooling: 202.1 Deg. F




No.
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Dimensional Outline Drawing & Component Description
for Stepless or Modulating-Type Capacity Control Application

Hanbell Model RC2-200B
Date and Rev. 07/31/2008 A
Drawn By B.Loi



Micro
CONTROL
SYSTEMS

Tel. (239) 7
E-mail: c



RC2-200B Screw Compressor

Specifications

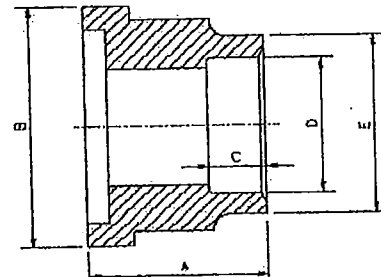
Compressor	Displacement	ft ³ /hr	60 Hz	8228
	Rated Speed	Rpm	60 Hz	3550
	Volume Ratio	Vi		2.6 (standard other Vi available)
	Capacity Control	%		25%, 50%, 75% & 100% Step Capacity Control, 50%~100% Continuous Stepless Capacity Controls
	Lubrication			Differential Pressure Feed Lubricant
Motor	Type			3 Phase, 2 Pole, Squirrel Cage, Induction Motor
	Insulation			Class F
	Protection			3 PTC Protection 1 per winding
Lubricant Charge	Gallons			2.1
Oil Heater	Watts			150
Hydrostatic Pressure test	lb/in ² G			597
Weight	Pounds			937
Crated Weight	Pounds			1197
Crated Dimensions	Inches			50x26x31

Standard Compressors Accessories

- Modulating Slide Capacity
- Weather Proof Terminal Box for outdoor applications
- 115/1/60 Control Voltage
- 115/1/60 Crankcase heater
- Discharge Check Valve
- Discharge Service Valve (Discharge Stop Valve) with standard connection sizes and supplied with flanges and bushings
- Suction Service Valve (Suction Stop Valves) with standard connection sizes and supplied with flanges and bushings
- Oil Level Float Switch
- Suction Filter
- Oil Filter
- PSI Relief Valve
- Oil Sight Glass
- PT1000 for Reading Motor Temp
- INT69HBY supporting motor and discharge (PTC) temperature sensor protection as well as Phase Loss and Phase Reversal at Start Up Only

Ports

- External Oil Cooler
- Liquid Injection (into screw chamber)
- Economizer
- Suction, Discharge & Oil Service



Connections

Discharge Stop Valve	1 1/2"
Discharge Check Valve	1 1/2"
Suction Stop Valve	2 1/2"
Economizer	5/8" solder
Liquid Injection (chamber)	5/8" flare
	A B C D E
Discharge Side	Copper Pipe Sizing 1 5/8" 2.05" 2.95" 1.38" 1.64" 2.05"
Suction Side	Copper Pipe Sizing 2 5/8" 2.36" 4.33" 1.38" 2.63" 3.03"

R22, R407C, R404A, R507A, R134a						
Hertz	Volts	Maximum Continuous Current	Y-Δ		Part Wind Start	
			Locked Rotor Amps (Y)	Locked Rotor Amps (Δ)	Locked Rotor Amps (D)	Locked Rotor Amps (DD)
60	220	266	310	930	445	840
60	460	127	162	485	239	450

MCC & LRA